

d his

(FILE 'HOME' ENTERED AT 10:14:37 ON 13 OCT 2004)

FILE 'REGISTRY' ENTERED AT 10:15:04 ON 13 OCT 2004

E CHLOROPHYLLIN/CN
2 S E3

FILE 'CAPLUS' ENTERED AT 10:16:57 ON 13 OCT 2004

255603 S L1 OR CHLOROPHYLLIN OR PHOTOCHLORINE OR PHYTOCHLORIN OR CH
36 S L2 AND GREEN(W) TEA#
1584 S L1 OR CHLOROPHYLLIN OR PHOTOCHLORINE OR PHYTOCHLORIN OR 19
14 S L4 AND GREEN(W) TEA#

FILE 'USPATFULL, USPAT2' ENTERED AT 10:29:54 ON 13 OCT 2004

2 S US6753325/PN
0 S L6 AND CHLOROPHYLLIN

FILE 'CAPLUS' ENTERED AT 10:31:09 ON 13 OCT 2004

4 S L7

FILE 'REGISTRY' ENTERED AT 10:35:51 ON 13 OCT 2004

E LIPOIC ACID/CN
2 S E3
150 S L9 OR 57828-26-9 OR 1200-22-2 OR LIPOIC(W)ACID OR THIOCTI
0 S L4 AND VITAMIN(W)D3
0 S L10 AND VITAMIN(W)D3

FILE 'CAPLUS' ENTERED AT 10:41:45 ON 13 OCT 2004

3 0 S L11
4 0 S L12

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,
USPAT2' ENTERED AT 10:42:13 ON 13 OCT 2004

5 5 S L13
6 211 S L14
7 198 S L16 AND (RADIO? OR RADIAT? OR IONIZ? OR SKIN OR DERMA?)
8 171 S L16(L)(RADIO? OR RADIAT? OR IONIZ?)
9 168 S L18 AND (SKIN OR DERMA?)
0 11 S L19 NOT PY>=2000

FILE 'EUROPATFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,
USPAT2' ENTERED AT 11:02:32 ON 13 OCT 2004

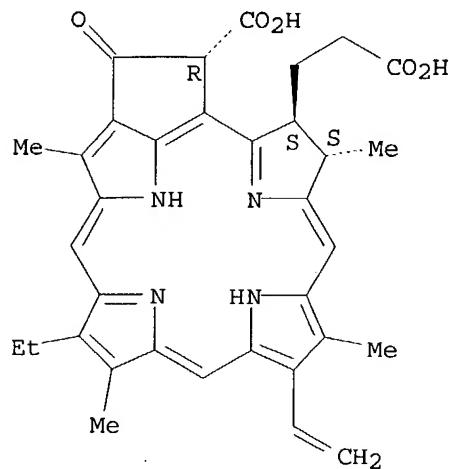
1074 S CHLOROPHYLLIN OR PHOTOCHLORINE OR PHYTOCHLORIN
6 S L21 AND VITAMIN(W)D3
0 S L6 NOT PY>=2001
260 S L21 AND (RADIO? OR RADIAT?)
92 S L24 NOT PY>=2001
139 S L24 AND (SKIN OR DERMA?)
27 S L26 NOT PY>=2001
83 S L26 AND (UV OR UVA OR UVB)
7 S L28 NOT PY>=2001

FILE 'USPATFULL, USPAT2' ENTERED AT 11:20:08 ON 13 OCT 2004

2636 S 57828-26-9 OR 1200-22-2 OR LIPOIC(W)ACID OR THIOCTIC(W)ACI
755 S L30 AND (UV OR UVA OR UVB) AND (RADIO? OR RADIAT?) AND (SK
71 S L31 NOT PY>=2001
48 S L31 NOT PY>=2000
2213 S LIPOIC(W)ACID
746 S L34(L)(UV OR UVA OR UVB)(L)(UV OR UVA OR UVB)(L)(SKIN OR DER
53 S L35 NOT PY>=2000

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 72939-69-6 REGISTRY

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 3-Phorbinepropanoic acid, 21-carboxy-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-, (3S,4S,21R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

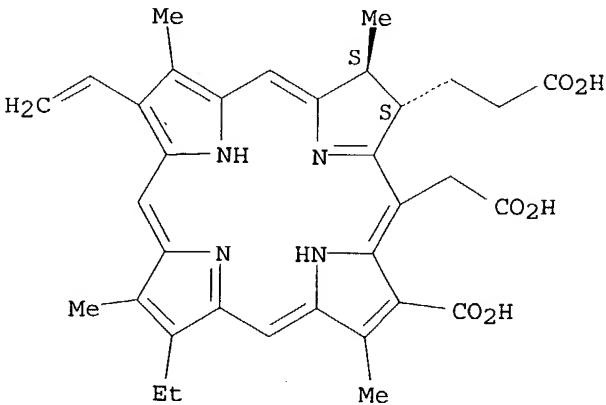
CN 3-Phorbinepropanoic acid, 21-carboxy-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-, [3S-(3 α ,4 β ,21 β)]- (9CI)

OTHER NAMES:

CN Chlorophyllin

L1 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 19660-77-6 REGISTRY

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 21H,23H-Porphine-7-propanoic acid, 3-carboxy-5-(carboxymethyl)-13-ethenyl-18-ethyl-7,8-dihydro-2,8,12,17-tetramethyl-, (7S,8S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Porphinepropionic acid, 18-carboxy-20-(carboxymethyl)-13-ethyl-2 β ,3-dihydro-3 β ,7,12,17-tetramethyl-8-vinyl- (8CI)

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(carboxymethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-, (2S-trans)- (9CI)

CN Chlorine e6 (6CI, 7CI)

OTHER NAMES:

CN Chlorin a6
CN Chlorin e6
CN Chlorine a6
CN Chlorophyllin
CN Photochlorine
CN Photolon
CN Phytochlorin
CN Phytochlorin e6
CN Phytochlorine e6

=> s e3

L9 2 "LIPOIC ACID"/CN

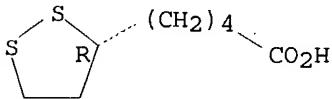
=> d rn str cn 1-2

L9 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 57828-26-9 REGISTRY

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
CN Lipoic acid (9CI) (CA INDEX NAME)

L9 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 1200-22-2 REGISTRY

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 1,2-Dithiolane-3-pentanoic acid, (3R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Dithiolane-3-pentanoic acid, (R)-

CN 1,2-Dithiolane-3-valeric acid, (+)- (8CI)

OTHER NAMES:

CN (R)-(+)- α -Lipoic acid

CN (R)- α -Lipoic acid

CN (R)-Lipoic acid

CN α -(+)-Lipoic acid

CN α -Lipoic acid

CN d-Thioctic acid

CN Lipoic acid

CN R-(+)-Thioctic acid

CN Tiobec

> d ibib 1-5

L15 ANSWER 1 OF 5
 ACCESSION NUMBER:
 TITLE (ENGLISH):
 TITLE (FRENCH):
 INVENTOR(S):
 PATENT ASSIGNEE(S):
 AGENT:
 LANGUAGE OF FILING:
 LANGUAGE OF PUBL.:
 DOCUMENT TYPE:
 PATENT INFORMATION:

PCTFULL COPYRIGHT 2004 Univentio on STN
 2004064725 PCTFULL ED 20040816 EW 200432
 ORAL COMPOSITIONS AND METHODS FOR TREATMENT OF ADVERSE
 EFFECTS OR RADIATION
 COMPOSITIONS A ADMINISTRATION ORALE ET METHODES
 PERMETTANT LE TRAITEMENT DES EFFETS SECONDAIRES DES
 RAYONS
 ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US
 THE QUIGLEY CORPORATION, The Kells Building, 621 Shady
 Retreat Road, P.O. Box 1349, Doylestown, PA 18901-2514,
 US [US, US]
 DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC, Suite
 1350, Eight Penn Center, 1628 John F. Kennedy Blvd.,
 Philadelphia, PA 19103\$, US
 English
 English
 Patent

NUMBER	KIND	DATE
WO 2004064725	A2	20040805

DESIGNATED STATES
 W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
 CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
 MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK
 SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
 BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 AM AZ BY KG KZ MD RU TJ TM
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
 MC NL PT RO SE SI SK TR
 BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 WO 2003-US39341 A 20031210
 US 2003-10/341,508 20030113

L15 ANSWER 2 OF 5

ACCESSION NUMBER:
 TITLE (ENGLISH):
 TITLE (FRENCH):
 INVENTOR(S):
 PATENT ASSIGNEE(S):
 AGENT:
 LANGUAGE OF FILING:
 LANGUAGE OF PUBL.:
 DOCUMENT TYPE:
 PATENT INFORMATION:

PCTFULL COPYRIGHT 2004 Univentio on STN
 2004037184 PCTFULL ED 20040512 EW 200419
 METHODS FOR THE TREATMENT OF SKIN DISORDERS
 METHODES DE TRAITEMENT DE TROUBLES CUTANES
 ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US [US, US]
 THE QUIGLEY CORPORATION, 621 North Shady Retreat Road,
 Doylestown, PA 18901-2514, US [US, US], for all
 designates States except US;
 ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins
 Park, PA 19027, US [US, US], for US only
 DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC, Eight Penn
 Center, 1628 John F. Kennedy Blvd., Suite 1350,
 Philadelphia, PA 19103\$, US
 English
 English
 Patent

NUMBER	KIND	DATE
WO 2004037184	A2	20040506

DESIGNATED STATES
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 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
 MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
 SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU
 ZA ZM ZW

RW (ARIPO) : GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO) : AM AZ BY KG KZ MD RU TJ TM
RW (EPO) : AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
MC NL PT RO SE SI SK TR
RW (OAPI) : BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2003-US33415 A 20031022
PRIORITY INFO.: US 2002-10/279,315 20021024

L15 ANSWER 3 OF 5
ACCESSION NUMBER:
TITLE (ENGLISH): TOPICAL COMPOSITIONS AND METHODS FOR TREATMENT OF
ADVERSE EFFECTS OF IONIZING RADIATION
COMPOSITIONS TOPIQUES ET PROCEDES DE TRAITEMENT DES
EFFETS SECONDAIRES IMPUTABLES AUX RADIATIONS IONISANTES
INVENTOR(S): ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins Park, PA 19027, US [US, US]
PATENT ASSIGNEE(S): THE QUIGLEY CORPORATION, 621 North Shady Retreat Road, Doylestown, PA 18901-2514, US [US, US], for all designates States except US;
ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins Park, PA 19027, US [US, US], for US only
DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC, Eight Penn Center, Suite 1350, 1628 John F. Kennedy Blvd., Philadelphia, PA 19103\$, US
AGENT:
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2003051287	A2	20030626

DESIGNATED STATES
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (ARIPO) : AM AZ BY KG KZ MD RU TJ TM
RW (EAPO) : AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC
RW (EPO) : NL PT SE SK TR
RW (OAPI) : BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2002-US35701 A 20021106
PRIORITY INFO.: US 2001-09/993,003 20011106
US 2002-10/790,045 20020114
US 2002-10/132,642 20020425

L15 ANSWER 4 OF 5
ACCESSION NUMBER:
TITLE (ENGLISH): NUTRITIONAL SUPPLEMENTS AND METHODS FOR PREVENTION,
REDUCTION AND TREATMENT OF RADIATION INJURY
COMPLEMENTS ALIMENTAIRES ET METHODES DE PREVENTION, DE
REDUCTION ET DE TRAITEMENT D'UNE RADIOLESION
INVENTOR(S): ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins Park, PA 19027, US [US, US]
PATENT ASSIGNEE(S): THE QUIGLEY CORPORATION, Kells Building, 621 Shady Retreat Road, P.O. Box 1349, Doylestown, PA 18901-1349, US [US, US], for all designates States except US;
ROSENBLUM, Richard, A., 524 Shoemaker Road, Elkins Park, PA 19027, US [US, US], for US only
DUNLEAVY, Kevin, J.\$, Knoble & Yoshida, LLC., 1628 John F. Kennedy Blvd., Suite 1350, Philadelphia, PA 19103\$, US
AGENT:
LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2003039452 A2 20030515

DESIGNATED STATES

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

RW (ARIPO) :

GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

RW (EAPO) :

AM AZ BY KG KZ MD RU TJ TM

RW (EPO) :

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

TR

RW (OAPI) :

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2002-US13526 A 20020501

PRIORITY INFO.:

US 2001-09/993,003 20011106

US 2002-10/045,790 20020114

US 2002-10/132,642 20020425

L15 ANSWER 5 OF 5

ACCESSION NUMBER:

TITLE (ENGLISH):

PCTFULL COPYRIGHT 2004 Univentio on STN

2002049501 PCTFULL ED 20020709 EW 200226

LOCAL REGIONAL CHEMOTHERAPY AND RADIOTHERAPY USING IN SITU HYDROGEL

TITLE (FRENCH):

CHIMIOTHERAPIE ET RADIOTHERAPIE REGIONALES LOCALES AU MOYEN D'UN HYDROGEL IN SITU

INVENTOR(S):

YANG, David, J., 1123 Spinnaker Way, Sugar Land, TX 77478, US;

YU, Dong-Fang, 15002 Beechurst Drive, Houston, TX 77062, US;

AZHDARINIA, Ali, 8819 Woodleigh, houston, TX 77083, US;
LEE, Tommy, L., 9607 Enstone Circle, Spring, TX 77379, US;

PATENT ASSIGNEE(S):

KIM, E., Edmund, 7 Magnolia Bend, Houston, TX 77024, US
BOARD OF REGENTS, UNIVERSITY OF TEXAS SYSTEM, 201 West 7th Street, Austin, TX 78701, US [US, US]

AGENT:

SISTRUNK, Melissa, L.\$, Fulbrigth & Jaworski, L.L.P., Suite 5100, 1301 McKinney, Houston, TX 77010-3095\$, US

LANGUAGE OF FILING:

English

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER KIND DATE

WO 2002049501 A2 20020627

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

RW (ARIPO) :

GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

RW (EAPO) :

AM AZ BY KG KZ MD RU TJ TM

RW (EPO) :

AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

TR

RW (OAPI) :

BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-US49087 A 20011218

PRIORITY INFO.:

US 2000-60/256,514 20001218